CHEMET Forecast

Pirbright Wildfire CHEMET 745_004

Issued by Met Office Environment Monitoring and Response Centre (EMARC)

Tel: 01392 447947 Email: emarc@metoffice.gov.uk Link to Hazard Manager

Plume forecast below 100m - map will be sent separately

Forecast Issued on Wednesday, 06 July 2022 at 10:18 local

To: Duty Officer	**Organisation:** Surrey FRS
Tel: 01737499050	**Email:** sfrsmobilising.control@surreycc.gov.uk

Forecast for: Pirbright **Nature of Incident:** Wildfire

Incident ongoing since: 06/07/2022 13:00

Forecast valid between: 13:00 06/07/2022 *and* 01:00 07/07/2022

Surface wind direction/speed: *Blowing from WNW towards ESE at 10 mph.*

Weather conditions and effect on plume: A fine and dry period, with spells of sunshine during the afternoon. Any plume will disperse efficiently towards the southeast, mixing well with the environment. The plume will become confined to lower levels during the evening though no grounding expected.

If incident continues beyond the validity period, the following weather conditions will affect the plume

Little change.

Please call 01392 447947 to request further updates if this incident is likely to continue or to discuss further.

Additional Information for Science and Health Agencies

Precipitation (type and intensity): N/A

Total Cloud amount: 5 oktas

Height of lowest significant cloud: 4000-6000 feet

Air temperature: 22 °C

Relative humidity: 55 %

Depth of mixing layer: 1800 BECMG 300 metres

Wind at top of mixing layer: Blowing from 300 to 120 degrees at 30 km/h

Air stability: D *(A=unstable, G=stable)*

Latitude and Longitude of source: 51.3104 N, 0.654 W

Sensible heat flux: 69 W/m^2

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